

CLAIM AMENDMENTS

Claim 2.

Line 3, after "in" delete "the" and insert -a solvent-.

Claim 5.

Line 3, after "in" delete "the" and insert -a solvent-.

Claim 11.

Line 2, after "claims" delete "1-8", and insert -2,5,11-.

Line 3, after "added" delete "thereto-", and insert -to the electrolyte composition-.

Claim 12.

Delete the entire claim, and rewrite the same as Claim 13.

Claim 13.

A lithium-ion electrochemical device comprising a cathode including a lithium compound additive and the fire resistant stable electrolyte of claim 2.

CLAIMS

Claim 1. (Withdrawn)

Claim 2 (Currently Amended).

A fire resistant stable electrolyte composition for lithium-ion based electrochemical devices which comprises:

LiBF₄ salt in the range of 1.5 to 3 molar concentration in ~~the a solvent~~ mixture of Ethylene carbonate in the range of 70 to 90% mixture by weight percentage, and propylene carbonate in the range of 10 to 30% by weight percentage.

Claim 3 (Withdrawn).

Claim 4 (Withdrawn).

Claim 5 (Currently Amended)

A fire resistant stable electrolyte composition for lithium-ion based electrochemical devices which compromises:

1.5 molar LiBF₄ salt concentration in ~~the a solvent~~ mixture of ethylene carbonate of 80% by weight percentage, and propylene carbonate of 20% by weight percentage.

Claim 6 (Withdrawn).

Claim 7 (Withdrawn).

Claim 8 (Withdrawn).

Claim 9 (Withdrawn).

Claim 10 (Withdrawn).

Claim 11 (Currently Amended).

A fire resistant stable electrolyte composition as described in claims ~~1-8~~ 2,5,11 inclusive to which LiBF₄ salt has at least one other lithium salt added ~~thereto~~ to the electrolyte composition in the range of 0.5 M to 1.5 M.

Claim 12 (Cancelled).

Claim 13 (New).

A lithium-ion electrochemical device comprising a cathode including a lithium compound additive and the fire resistant stable electrolyte of claim 2.